

Jabber Integration

An overview of the Bajjer library

Overview

- Overview of Jabber
- Integration with the Venue client
- Using the bajjer library
- Examples of jabber applications

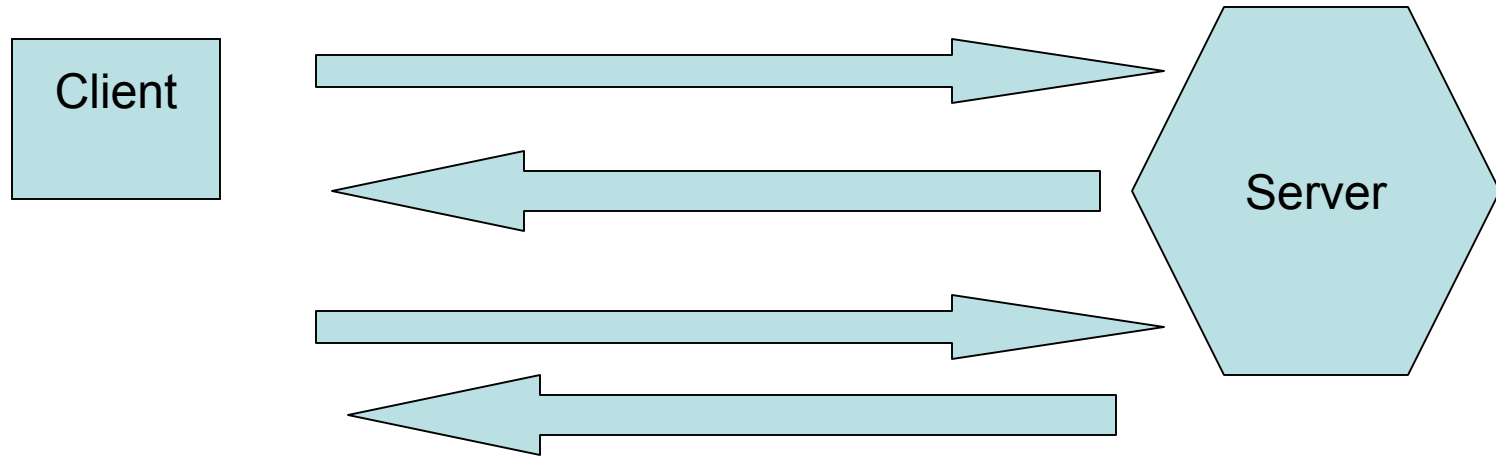
Jabber

- Jabber is an XML routing framework
- Primarily used in instant messaging services
- Asynchronous, event based
- Extensible uses xml namespaces to add more functionality

Jabber Basics

- Simple protocol based on 3 types of messages: iq, message, presence
- Browsing capabilities
- Publish/Subscribe capabilities

Authentication



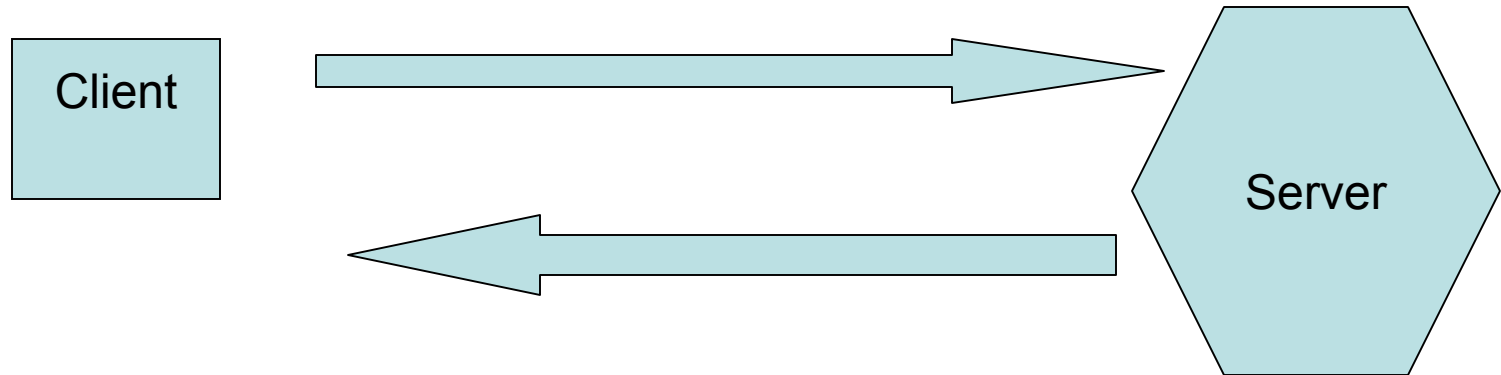
Client sends user
name to the server

Server sends back
authorization
scheme

Client
authenticates to
the server

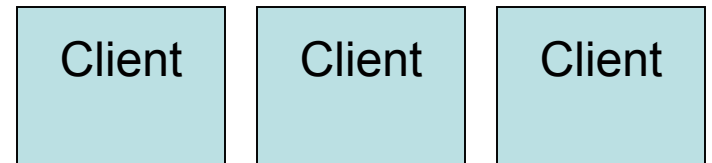
Server
authenticates
client

Roster

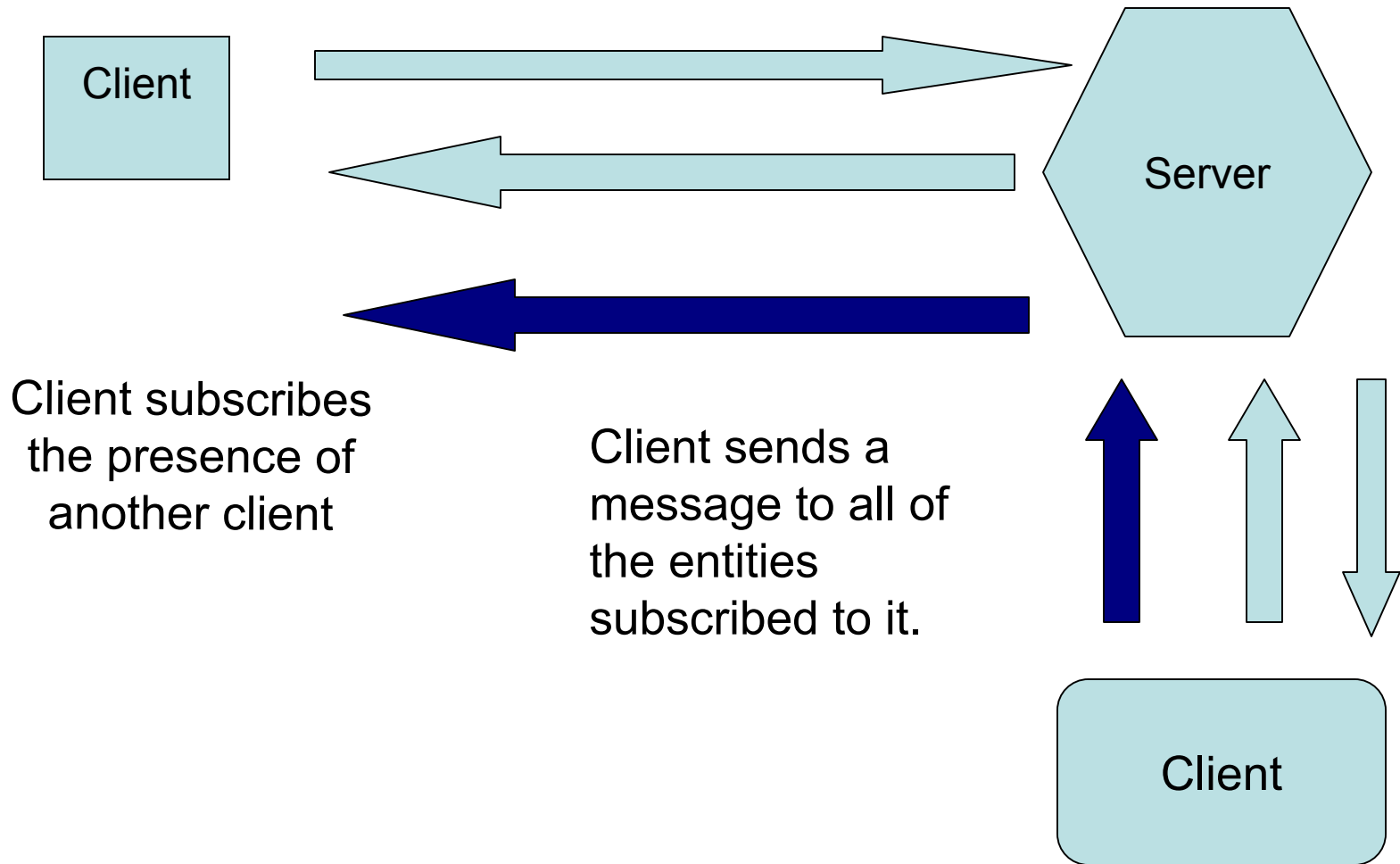


Client requests
Roster

Server returns a
roster



Subscription Publication



Venue Server Integration

- Jabber Server support
- Multi user chat and conference support
- Client side support for messaging and conferencing
- Choices for different security mechanisms

Bajjer API

- Provides APIs for Client and Server Components
- Synchronous and Asynchronous IO
- Support TLS and a variety of authentication/authorization schemes